



ADPT-HS18-N2T-16 User Manual

Used to mate Neuralynx Headstages with NeuroNexus Technologies Microelectrode Array Probes.

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1 Document Overview

This document will describe the use and versatility of the ADPT-HS18-N2T-16 along with its corresponding Cheetah configurations.

2 ADPT-HS18-N2T-16 Overview

The ADPT-HS18-N2T-16 is a small lightweight adapter used to connect a Neuralynx HS-18 or HS-16 to a NeuroNexus Technologies Microelectrode Array Probe. The compatible probes are the C16, CM16, and F16. When using this adapter a special Cheetah configuration file, provided by Neuralynx, can be used to map electrode sites to preferred channels.

3 Hardware Overview

3.1 Connector Locations

A labeled picture of the adapter is shown in Figure 4.1.

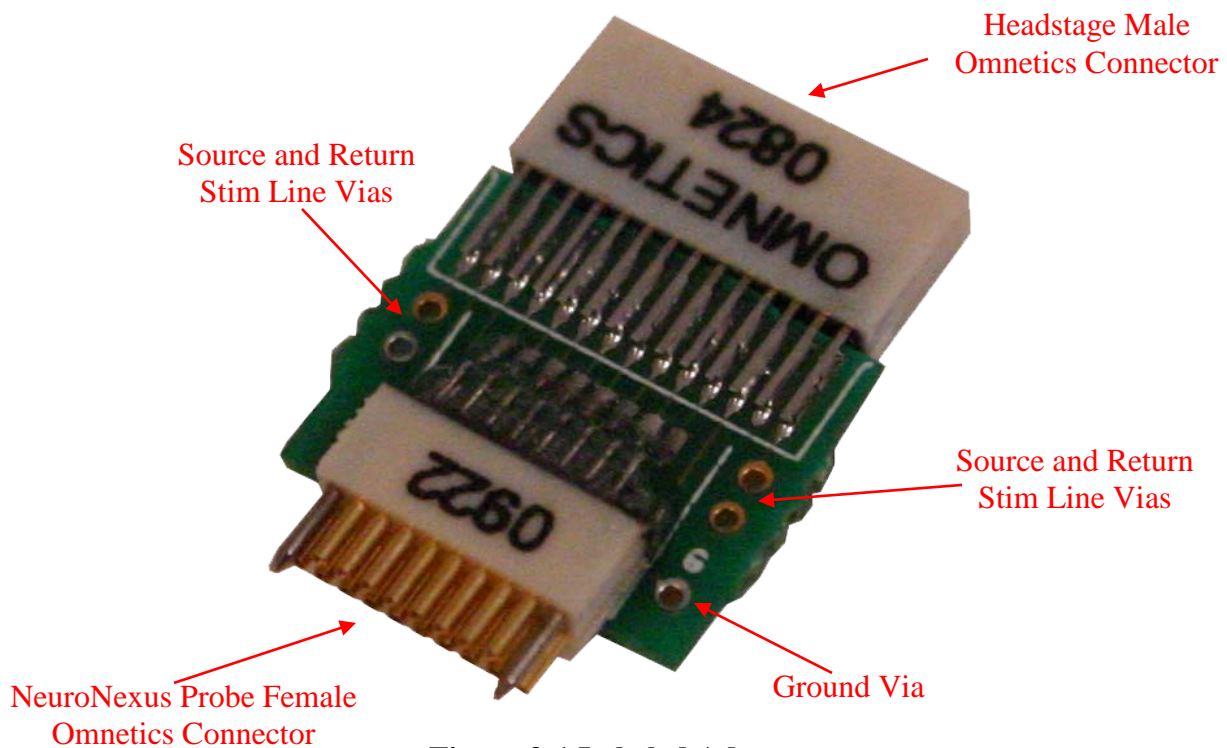


Figure 3-1 Labeled Adapter

To install this adapter simply plug the male Omnetics connector of the adapter into the female Omnetics connector of your HS-16 or HS-18. Attach the other end of the adapter to the probe you are using.

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The “R” part number should be used when the reference pin is left open such as the CM16 Probe.

4 Software Overview

4.1 Setting up Cheetah

Neuralynx has provided a set of configuration files available for download from the software page on the website. The configuration file contains the correct conversion for mapping NeuroNexus Probe Sites to Neuralynx A/D Channels. The default version of these configuration files maps NeuroNexus Probe Site 1 to Neuralynx A/D Channel 0, NeuroNexus Probe Site 2 to Neuralynx A/D Channel 1, etc. They can be altered to map different sites to different A/D channels by following the directions in the configuration file. To boot Cheetah with one of these files add it to your Cheetah Configuration Directory and edit the “-ProcessConfigurationFile <File Name>” command in the cheetah.cfg configuration file providing the correct file name.

Proper configuration files can be downloaded from the Neuralynx website.

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